

PA-1DC

QUERY CONTROL FORM		RTIS USE ONLY	
Application No. <u>091845,072</u>	Prepared by <u>03</u>	Tracking Number <u>5927454</u>	
Examiner-GAU <u>Patterson-1452</u>	Date <u>7/27/04</u>	Week Date <u>3/29/04</u>	
	No. of queries <u>2</u>	<u>PC-USC1AW</u>	

## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	<u>p. PTO-1449</u>
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

## SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

## MESSAGE

① Original claims 43 and 44 are canceled by Amendment cum dated 11/28/03, but still listed as allowed in the index of claims

② PTO-1449: Please either initial or line through citation(s) copy provided for reference.

Please resolve.

## CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
- c. Duplicate Numbers
- d. Incorrect Numbering

## e. Index Disagrees

- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

## RESPONSE

Thank you  
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FEB 12 2004

SHEET 1 OF 5

Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

210119US0CONT

SERIAL NO.

09/895,072

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

William M. CANFIELD

FILING DATE

July 2, 2001

GROUP

1652

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AO	99/31117	06/24/99	WIPO		
	AP					
	AQ					
	AR					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

AS	✓	Ke-Wei ZHAO, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphotransferase", <i>Microbiology</i> , Vol. 2, no. 2, pp. 119-125, 1992	
AT	✓	Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", <i>DNA Research</i> , Vol. 6, pp. 337-345, 1999	
AU	✓	XP-002226188, "KIAA1208 protein (Fragment)", From Takahiro NAGASE, et al., "Prediction of the Coding Sequences of Unidentified Human Genes. XV. The Complete Sequences of 100 New(cDNA Clones from Brain Which Code for Large Proteins <i>in vitro</i> ", <i>DNA Research</i> , Vol. 6, pp. 337-345, 1999	
AV	✓	XP-002226187, "Basic domain/leucine zipper transcription factor (Fragment), From CORDES, et al., "The mouse segmentation gene <i>kr</i> encodes a novel basic domain-leucine zipper transcription factor" (1994), <i>Cell</i> , Vol. 7, No. 9, pp.1025-1034	<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Data Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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SHEET 2 OF 5

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

BW	Karen Gheesling MULLIS, et al., "Purification and Kinetic Parameters of Bovine Liver N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", The Journal of Biological Chemistry, Vol. 269, No. 3, Issue of January 21, pp. 1718-1726, 1994
BX	Jin Kyu LEE, et al., "Purification and Characterization of Human Serum N-Acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase", Archives of Biochemistry and Biophysics, Vol. 319, No. 2, June 1, pp. 413-425, 1995
BY	Theodore PAGE, et al., "Purification and characterization of human lymphoblast N-acetylglucosamine-1-phosphodiester alpha-N-acetylglucosaminidase", Glycobiology, Vol. 6, no. 6, pp. 619-626, 1996
BZ	Thomas J. BARANSKI, et al., "Lysosomal Enzyme Phosphorylation", The Journal of Biological Chemistry, Vol. 267, No. 32, Issue of November 15, pp. 23342-23348, 1992

☐ Additional References sheet(s) attached

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

CW	Elva TIKKANEN, et al., "Several cooperating binding sites mediate the interaction of a lysosomal enzyme with phosphotransferase", The EMBO Journal, vol. 16, No. 22, pp. 6684-6693, 1997
CX	Fumito MATSUURA, et al., "Human alpha-galactosidase A: characterization of the N-linked oligosaccharides on the intracellular and secreted glycoforms overexpressed by Chinese hamster ovary cells", Glycobiology, vol. 8, no. 4, pp. 329-338, 1998
CY	Shiroh MAGUCHI, et al., "Elevated Activity and Increased Mannose-6-phosphate in the Carbohydrate Moiety of Cathepsin D from Human Hepatoma", Cancer Research, Vol. 48, pp. 362-367, January 15, 1988
CZ	Norman W. Barton, et al., "Therapeutic response to intravenous infusions of glucocerebrosidase in a patient with Gaucher disease", Proc. Natl. Acad. Sci. USA, Vol. 87, pp. 1913-1916, March 1990
<input type="checkbox"/> Additional References sheet(s) attached	

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SHEET 4 OF 5

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

DW	G.O. BRADY, et al., "Modifying Exogenous Glucocerebrosidase for Effective Replacement Therapy in Gaucher Disease", J. Inher. Metab. Dis., Vol. 17, (1994), pp. 510-519
DX	Emil D. KAKKIS, et al., "Overexpression of the Human Lysosomal Enzyme $\alpha$ -L-Iduronidase in Chinese Hamster Ovary Cells", Protein Expression and Purification, Vol. 5, (1994), pp. 225-252
DY	Ke-Wei ZHAO, et al., "Carbohydrate Structures of Recombinant Human $\alpha$ -L-Iduronidase Secreted by Chinese Hamster Ovary Cells", The Journal of Biological Chemistry, Vol. 272, No. 36, Issue of September 5, 1997, pp. 22758-22765
DA	Robin J. ZIEGLER, et al., "Correction of Enzymatic and Lysosomal Storage Defects in Fabry Mice by Adenovirus-Mediated Gene Transfer", Human Gene Therapy, Vol. 10, pp. 1667-1682, (July 1, 1999)

☐ Additional References sheet(s) attached

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SHEET 5 OF 5

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09/895,072

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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	EW	Huaichang SUN, et al., "Retrovirus Vector-Mediated Correction and Cross-Correction of Lysosomal $\alpha$ -Mannosidase Deficiency in Human and Feline Fibroblasts", Human Gene Therapy, Vol. 10, pp. 1311-1319, (May 20, 1999)				
	EX	Gj REUSER, et al., "Lysosomal storage diseases: cellular pathology, clinical and genetic heterogeneity, therapy", Ann Biol Clin., Vol. 52, (1994), pp. 721-728				
	EY					
	EZ					<input type="checkbox"/> Additional References sheet(s) attached

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